

What is claimed is:

1. A system for screening micro-waviness of a disk having micro-waviness comprising the disk, a head comprising a detector, and a software or a hardware that measures a slope of an output of the detector versus a linear velocity of the disk or a fly height of the head.
2. The system of claim 1, wherein the detector is a piezoelectric transducer.
3. The system of claim 2, wherein the output is voltage.
4. The system of claim 1, wherein the output increases with an increase in the linear velocity or the fly height.
5. The system of claim 1, wherein the output substantially correlates with a micro-waviness of a disk measured by an optical surface topography metrology tool.
6. The system of claim 1, wherein the head is calibrated against a standard head.
7. The system of claim 1, wherein the disk is a magnetic recording disk.
8. The system of claim 1, wherein the detector picks up disk micro-waviness induced air-bearing resonance.

9. The system of claim 1, wherein the disk comprises asperities and waviness.
10. A system for measuring micro-waviness of a disk having micro-waviness comprising the disk, a head comprising a detector, and means for measuring a slope of an output of the detector versus a linear velocity of the disk or a fly height of the head.
11. A method for screening a disk having micro-waviness comprising detecting air bearing resonance by a detector in a head, and measuring a slope of an output of the detector versus a linear velocity of the disk or a fly height of the head.
12. The method of claim 11, further comprising measuring micro-waviness of the disk.
13. The method of claim 11, wherein the detector is a piezoelectric transducer.
14. The method of claim 13, wherein the output is voltage.
15. The method of claim 11, wherein the output increases with an increase in the linear velocity or the fly height.

16. The method of claim 11, wherein the output substantially correlates with a micro-waviness of a disk measured by an optical surface topography metrology tool.
17. The method of claim 11, wherein the head is calibrated against a standard head.
18. The method of claim 11, wherein the disk is a magnetic recording disk.
19. The method of claim 11, wherein the disk comprises asperities and waviness.